Perimetry should be undertaken soon after phacoemulsification and multifocal IOL implantation in patients with glaucoma, in order to establish new baseline parameters.

The Science behind the Tip

To determine change in visual function in patients with glaucoma, regular visual field testing is undertaken using automated static perimetry. When interpreting the visual field results the effect of refractive error (particularly uncorrected hyperopia) and cataract formation should be considered, as these factors can result in a change in threshold measurements.\(^1,2\)

A recent study has shown that the use of multifocal implants can cause a diffuse change in the visual field of approximately \(-2\)dB, which is not found when standard implants are used. Patients with glaucoma who undergo phacoemulsification and multifocal IOL implantation should undergo perimetry soon after surgery in order to establish new base-line measurements.\(^3\)

References


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